

CLAIMS

1. A removable dust collector (1) for use in a dust compartment (20) of a vacuum cleaner, comprising a holder (41) which maintains the dust collector (1) in an operating position, and a locking member (32) which is placed in a locking position when the dust collector is removed, wherein the lid (30) of the dust compartment (29) is prevented from closing and which is placed in a release position when the dust collector (1) is in an operating position, wherein the lid (30) can be closed, characterised in that the same locking member (32) is maintained in its release position either by means of a filter bag inserted into a carrier (31) or by means of an actuating member (27) coupling to the dust collector (1).
2. The dust collector according to claim 1, characterised in that the carrier (31) is coupled to the locking member (32) such that it is movably supported.
3. The dust collector according to claim 2, characterised in that the carrier (31) is pivotally supported on the vacuum cleaner housing (28) by means of a pivot bearing (34).
4. The dust collector according to claim 3, characterised in that the pivot bearing (34) is arranged on a lower edge (36) of the carrier (31) and the actuating member (27) acts on an upper edge (37) of the carrier (31).
5. The dust collector according to any one of claims 1 to 4, characterised in that the holder (41) is formed by intermeshing guides which are

constructed on the dust collector (1) and on the vacuum cleaner and which represent a positioning aid to maintain the dust collector (1) in its operating position.

6. The dust collector according to claim 5, characterised in that the holder (41) is formed by the actuating member (27) which is held on the carrier (31) in a receiver (40).
7. The dust collector according to any one of the preceding claims, characterised in that the actuating member (27) is constructed on the dust collector (1).
8. The dust collector according to claim 7, characterised in that the actuating member (27) is constructed as a preferably hook-shaped curved lug which acts on an edge (37) of the carrier (31) opposite to the pivot bearing (34).
9. The dust collector according to any one of claims 1 to 8, characterised in that the actuating member (27) has a grip area (39) for actuating a closing element (25) for unlocking or locking a filter housing (26) detachably affixed to the dust collector (1).
10. The dust collector according to any one of claims 1 to 7, characterised in that the actuating member (27) is constructed in the form of a stiffening plate of a filter bag for insertion into the carrier (31) of the filter bag.
11. The dust collector according to claim 1, characterised in that a carrier (31a) is provided for the filter bag and a carrier (31b) is provided

for the dust collector (1) and the carrier (31b) of the dust collector (1) has the actuating member (27) which actuates either the locking member (32) or the carrier (31a).

12. The dust collector according to claim 1, characterised in that the actuating member (27) is constructed as a positioning surface for the dust collector (1) formed substantially at right angles to the plane of the carrier (31).
13. The dust collector according to any one of the preceding claims, characterised in that the dust collector (1) has a cover element (38) which prevents a filter bag from being inserted into the carrier (31) when the dust collector (1) is not in the operating position.
14. The dust collector according to claim 13, characterised in that the cover element (38) is constructed as the actuating element (27).
15. The dust collector according to claim 13 or 14, characterised in that the cover element (38) forms the grip area (39).
16. The dust collector according to any one of the preceding claims, characterised in that the dust collector (1) has a dust separator (8) operating on the principle of centrifugal force.